



CONERGY

Photovoltaic modules | Technical data

Conergy SC 170/175/180MA

Wide Range of Applications

- | Grid-connected photovoltaic systems between 1 and 100 kWp
- | Large PV systems and special projects

Extended Module Service Life

- | Cells embedded in EVA (ethylene vinyl acetate)
- | Solar glass on the front side
- | Weather and waterproof foil back

Sturdy Frame

- | Fully closed aluminium frame
- | Frame screwed at end faces

Simple Installation

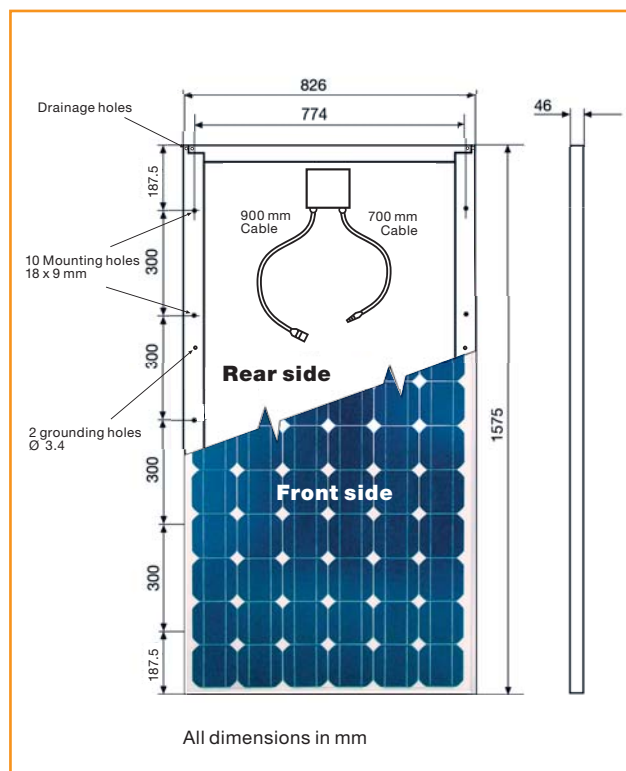
- | Multi-contact (MCIII) plug supplied as standard

High Quality Finish

- | Optical, mechanical and electrical module testing during and post-production
- | Automated production line ensures consistently high level of product quality

Warranties and Certificates

- | 25 year warranty on 80% of the minimum output¹
- | 5 year product warranty¹
- | IEC 61215, Protection Class II



	SC 170MA	SC 175MA	SC 180MA
Max. output (P _{MAX}) as per STC ²	170 W ± 3 %	175 W ± 3 %	180 W ± 3 %
Module efficiency (%)	13.1 %	13.5 %	13.8 %
MPP voltage (V _{MPP})	35.5 V	36.0 V	36.0 V
MPP current (I _{MPP})	4.79 A	4.86 A	5.0 A
Open-circuit voltage (V _{OC})	44.4 V	45.0 V	45.0 V
Short-circuit current (I _{SC})	5.27 A	5.44 A	5.5 A
Temperature coefficient (P _{MPP})	-0.485 %/°C	-0.485 %/°C	-0.485 %/°C
Temperature coefficient (V _{OC})	-0.155 V/°C	-0.158 V/°C	-0.158 V/°C
Temperature coefficient (I _{SC})	2.79 mA/°C	2.88 mA/°C	2.92 mA/°C
Maximum system voltage	1,000 V	1,000 V	1,000 V
Cells	72 monocrystallines	72 monocrystallines	72 monocrystallines
Cell dimensions	125 x 125 mm	125 x 125 mm	125 x 125 mm
Module dimensions (L x W x H)	1,575 x 826 x 46 mm	1,575 x 826 x 46 mm	1,575 x 826 x 46 mm
Weight	16.3 kg	16.3 kg	16.3 kg

Available from:

¹ According to current Conergy warranty conditions

² Standard Test Conditions, which are defined as follows: radiation output of 1,000 W/m² (max. insolation) at a spectral density of AM 1.5 (ASTM E892). Cell temperature of 25°C.